

April 18, 2007

Ms. Marcia Porter Idaho Department of Health and Welfare Division of Environmental Quality 1410 North Hilton Boise, Idaho 83706 APR 2 0 2007

DEPARTMENT OF ENVIRONMENTAL QUALITY

Re:

Sinclair Boise Products Terminal (Sinclair)

Sinclair Transportation Company

Facility ID No. 001-00112

Tier 2 Operating Permit No. T2-030029

Transmittal of Tier 2 Operating Permit Application Renewal, Rev. #1

Ms. Porter:

Per our telephone conversation on April 18, 2007, Sinclair is resubmitting its Tier 2 operating permit application renewal for the Sinclair Boise Products Terminal facility. Please replace the original application renewal (dated April 6, 2007) with this revision, denoted as Rev. #1. This revision is intended to replace the entire April 6, 2007 submittal.

Sinclair is currently operating under the provisions of its Tier 2 operating permit, as revised on October 8, 2004, which expires on November 18, 2007. With this correspondence, Sinclair is formally submitting its application to renew the Tier 2 permit for this facility.

In compiling this operating permit application renewal, Sinclair is using the same format used for previous operating permit applications for this facility. Because there is no specific guidance for Tier 2 operating permit application content, Sinclair has used the requirements of IDAPA 58.01.01.314 of Rules for the Control of Air Pollution in Idaho as guidance in compiling this application. Sinclair believes this format is acceptable to the Division.

Please note there are no substantial changes contained in this permit application, compared to the previous permit application, with exception of removal of the Loading Rack (EU #11) and Prover Tank (EU#10) from service and requesting permission to use ASTM D-7039-04 Standard Test Method for Sulfur in Gasoline and Diesel Fuel by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry to determine the sulfur content of gasoline and diesel fuels. In general, Sinclair believes the provisions listed in the current Tier 2 permit accurately reflect the applicable requirements for this

facility.

Sinclair believes this Tier 2 operating permit application renewal is accurate, timely and complete and therefore requests the Division grant an operating permit application shield. Sinclair appreciates the assistance of the Division in facilitating this permit renewal. Should you have any questions regarding the information in this application, please call me at (801) 524-2729.

Respectfully,

Samuel B. Greene P.E.

Corporate Environmental Engineer

attachment

CC:

Mark Peterson w/o/a

Rex Hauser



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TIER 2 OPERATING PERMIT APPLICATION - RENEWAL SINCLAIR BOISE PRODUCTS TERMINAL SINCLAIR TRANSPORTATION COMPANY

Table of Contents

1.0 INTRODUCTION	1-1
2.0 PERMIT APPLICATION FORMS	2-1
3.0 GENERAL INFORMATION FOR THE FACILITY	3-1
4.0 EMISSIONS UNIT INFORMATION	4-1
5.0 EXCESS EMISSIONS PROCEDURES	5-1
6.0 INSIGNIFICANT ACTIVITIES	6-1
7.0 REGULATORY REQUIREMENTS FOR THIS FACILITY	7-1
APPENDIX: A STORAGE TANK EMISSIONS CALCULATIONS	A-1
APPENDIX: B FUGITIVE EMISSIONS CALCULATIONS	B-1
APPENDIX: C SVE SYSTEM EMISSION CALCULATIONS	C-1

1.0 INTRODUCTION

Sinclair Transportation Company (Sinclair) operates a petroleum products receipt, storage and distribution facility located in Boise, Idaho. This facility is currently operating under the provisions of Tier 2 Operating Permit # 001-00112 which established product throughput limitations in order to achieve area source (ie. minor source) status for Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAP).

Operating Permit # 001-00112 expires on November 18, 2007. This renewal application is submitted to the Division in order to renew the provisions of Operating Permit # 001-00112.

This permit application has been written to present all information required by the Division necessary to support a Tier 2 operating permit renewal. The application is divided into the following chapters:

- Chapter 2.0: Contains the Tier 2 Operating Permit application forms required by the Division.
- Chapter 3.0: Contains the general information for the facility.
- Chapter 4.0: Provides information on emissions units.
- Chapter 5.0: Describes excess emissions procedures.
- Chapter 6.0 Lists insignificant activities.
- Chapter 7.0: Addresses the regulatory requirements for this facility.

2.0 PERMIT APPLICATION FORMS

The Tier 2 operating permit application forms for the Emissions Units (EU) listed in Table 2.1 are presented in this chapter.

Table 2.1 Listing of Emissions Units

TODIO Z.	Listing of Emissions of
EU#	Description
1	Tank 401
2	Tank 404
3	Tank 411
4	Tank 421
5	Tank 431
6	Tank 402
7	Tank 405
8	Tank 406
9	Transmix Tank 400
12	Fugitive Emissions
13	Soil Vapor Extraction System

Note: EU # 10 (Prover Tank) and EU # 11 (Loading Rack) have been permanently removed from service.

SECTION 1: GENERAL INFORMATION

COMPANY & DIVISION NAME	SINCLAIR TRANSPORTATION COMPANY, SINCLAIR	BOISE PRODUCTS TERMINAL Tier 2 Renew	al, Rev. #1 4/18/07
STREET ADDRESS OR P.O. BOX	712 North Curtis		
CITY	Boise		
STATE ID	ZIP 83706		
PERSON TO CONTACT	Samuel B. Greene P.E.		
TITLE	Corporate Environmental Engineer		
PHONE NUMBER	(801) 524-2729		
EXACT PLANT LOCATION	S-8, T-3N, R-2E		
GENERAL NATURE OF BUSINESS	Petroleum products receipt, storage and distribution		
NUMBER OF FULL-TIME EMPLOYEES	1		
PROPERTY AREA (ACRES)	Арргох. 10	REASON FOR APPLICATION (1) Permit to Construct a new facility; (2) Permit to Modify an existing source; (3) Permit to Construct a new source at an exi (4) Change of Owner or Location; (5) Tier I Permit to Operate; (6) Tier II Permit to Operate (7) Tier II Permit to Operate - Application Rene	
DISTANCE TO NEAREST STATE BORDE	ER (MILES) 50		
PRIMARY SIC	5171	SECONDARY SIC	5171
PLANT LOCATION COUNTY	Ada	ELEVATION (FT)	2710
UTM ZONE	11]		
UTM (X) COORDINATE (KM)	560.463	UTM (Y) COORDINATE (KM)	4828.63
NAME OF FACILITIES List all facilities within the state that are unc	LOCATION OF OTHER FACILITIES der your control, or under common control, and have emiss	ions to the air. If none, so state	
Sinclair Burley Products Terminal	425 East Hwy. 81 Burley, ID 83318 Ca	ssia County	
Sinclair Boise Products Terminal	712 North Curtis Boise, ID 83706 Ada 0	County	
OWNER OR RESPONSIBLE OFFICIAL	Mark Petersen		
TITLE OF RESPONSIBLE OFFICIAL	Vice President Sinclair Transportation Co	mpany	
Based on Information and belief formed af document are true, accurate, and complete	iter reasonable inquiry, I certify the statements and informat e.	ion in this	
SIGNATURE OF OWNER OR RESPONS	SIBLE OFFICIAL	DATE	1
1/1		4/	119/07

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE		
DEQ BUILDING ID CODE		PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERALI	NFORMATION					
PROCESS CODE OR DES	CRIPTION	EU#1 (TK #401), EU#2	(TK #404), EU#3 (TK #4	11), EU#4 (TK #421) Tier 2	Renewal, Rev. #1 4/18/07	
STACK DESCRIPTION		N/A				
BUILDING DESCRIPTION		N/A				
MANUFACTURER	N/A		MODEL	Ext. Floating Roof	DATE INSTALLED OR LAST MODIFIED	1952
PROCESSI	NG DATA				DIOT MODIFICE	
PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	ACTUAL ANNUAL RATE	UNITS	
INPUT	Gasoline	65,100			gal	
PRODUCT OUTPUT	Gasoline	65,100			gal	
WASTE OUTPUT						
RECYCLE						
POTENTIAL	. HAPS IN PROCESSING STRE	EAMS				
PS DESCRIPTION		HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
Benzene		71-43-2	004250	004250		
Hexane		110-54-3	00350	00350		
Xylenes (mixed isomers)		1330-20-7	01777	01777		
Toluene		108-88-3	02180	02180		
Ethylbenzene		100-41-4	002860	002860		
Naphthalene		91-20-3	00064	00064		
Trimethylpentane (2,2,4)		540-84-1	008432	008432		
Isopropyl Benzene		98-82-8	00025	00025		

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY						
DEQ PLANT ID CODE	DEQ PROCESS CODE			DEQ STACK ID CODE		
DEQ BUILDING ID CODE	PRIMARY SCC			SECONDARY SCC		
DEQ SEGMENT CODE						
PARTA: GENERAL INFORMATION	19.					
PROCESS CODE OR DESCRIPTION	EU#1 (TK #401), EU#2 (TK	(#404), EU#3 (TK#	!411), EU#4 (TK #421)	Tier 2 Renewal, Rev. #1 4/	/18/07	
STACK DESCRIPTION	N/A					
BUILDING DESCRIPTION	N/A					
DATE INSTALLED OR 1952 LAST MODIFIED						
GENERAL TANK AND MATERIAL HANDLI	NG DATA					
MATERIAL DESCRIPTION Gasoline						
TANK CAPACITY (GALLONS) 840,000	ANNUAL THROUGHPUT (GALLONS)	58.3 E 6			
TANK TYPE 2 PLEASE CHOOSE FROM BELOW (01) FIXED ROOF; (02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE;		PLEASE CHOOS (01) PIPELINE (02) RAIL CAR (03) TANK TRU		1		
(04) PRESSURE TANK;		(04) SHIP BAR				
(05) UNDERGROUND - SPLASH LOADING; (06) OTHER		(05) OTHER				
ADDITIONAL VAPOR PHASE DEGREASIN	GDATA			TANK CUREAGE AREA (C	0 ED	ee Tanks 4.0.9.d
MANUFACTURER OF DEGREASING AGENT N/A	S. 125			TANK SURFACE AREA (S	57517 AF	
TEMPERATURE OF DEGREASING AGENT IN TANK (DEC	3. F)	N/A		METHOD OF VAPOR REC Please choose from below. (01) Incineration; (02) Refrigerated Liquid S (03) Refrigerated Conder (04) Carbon Adsorption; (05) Vapor Return Systen (06) No Recovery System (07) Other	Scrubber; nser; n;	6
ADDITIONAL MATERIAL HANDLING DATA	١					
PHYSICAL STATE	NUMBER OF PUMP SEALS		NUMBER OF COMPE	RESSOR	NUMBER OF IN-LINE VALVES	10
(SEE NOTE BELOW) NUMBER OF SAFETY	NUMBER OF	0	SEALS NUMBER OF OPEN-		NUMBER OF SAMPLING	
RELIEF VALVES 0	FLANGES	26	LINES	0	CONNECTIONS	4
MATERIAL DATA						
HAP DESCRIPTION	HAP CAS NUMBER	_	MA	HAP FRACTION IN ATERIAL BY WEIGHT		
Benzene	71-43-2			004250		
Hexane	110-54-3	_		00350		
Xylenes (mixed isomers)	1330-20-7			01777		
Toluene	108-88-3			02180		
Ethylbenzene	100-41-4			002860		
Naphthalene	91-20-3			00064		
Trimethylpentane (2,2,4)	540-84-1			0-,08432		
Isopropyl Benzene	98-82-8			00025		

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PAR	NO DANGE DE LA CONTRACTOR DEL CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR	EU#1 (TK #401), EU#2 (TK #404), EU#3 (TK #411), EU#4 (TK #	(421) Tier 2 Renewal, Rev. #1 4/18/0			
	OPERATING DATA JMPTION PER QUARTER		OPERATING SCHE	EDULE			
DEC-FEB	25		HOURS/DAY	24			
MAR-MAY	25		DAYS/WEEK	7			
JUN-AUG	25		WEEKS/YEAR	52			
SEP-NOV	25						
-		NAME OF THE PROPERTY OF THE PR					
PARAMETER	POLLUTION CONTROL E	QUIPMENT PRIMARY		SECONDARY			
TYPE		N/A		N/A			
TYPE CODE (FROM APP	P. A)]		
MANUFACTURER							
MODEL NUMBER							
PRESSURE DROP (IN. C	OF WATER)						
WET SCRUBBER FLOW	(GPM)						
BAGHOUSE AIR/CLOTH	RATIO (FPM)						
	VENTILATION AND BUIL	DING/AREA DATA	STA	CK DATA			
ENCLOSED? (Y/N)		N/A	GROUND ELEVATI	ION (FT)		N/A	
HOOD TYPE (FROM APP	P. B)		UTM X COORDINA	TE (KM)			
MINIMUM FLOW (ACFM))		UTM Y COORDINA	TE (KM)			
PERCENT CAPTURE EF	FICIENCY		STACK TYPE (SEE	NOTE BELOW)			
BUILDING HEIGHT (FT)			STACK EXIT HEIGH	HT FROM GROUND LEVEL (FT)			
BUILDING LENGTH (FT)			STACK EXIT DIAM	ETER (FT)			
BUILDING WIDTH (FT)			STACK EXIT GAS I	FLOWRATE (ACFM)			
			STACK EXIT TEMP	PERATURE (DEG. F)			
	AIR POLLUTANT EMISSI	ONS					
	CAS NUMBER	EMISSION FACTOR	PERCENT	ESTIMATED OR MEASURED	ALLOWA	BLE EMISSIONS	
		(SEE NOTE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
РМ							
PM-10							
SO2							
со							
NOx							
voc		Tanks 4.0.9.d	О	2.96	2.96	12.96	Tanks 4.0.9.d
LEAD							
Benzene	71-43-2	Tanks 4.0.9.d	О	1.669E-02	1.669E-02	7.312E-02	Tanks 4.0.9.d
Hexane	110-54-3	Tanks 4.0.9.d	0	2.642E-02	2.642E-02	1.157E-01	Tanks 4.0.9.d
Xylenes (mixed isomers)	1330-20-7	Tanks 4.0.9.d	0	9.720E-03	9.720E-03	4.258E-02	Tanks 4.0.9.d
Toluene	108-88-3	Tanks 4.0.9.d	0	2.527E-02	2.527E-02	1.107E-01	Tanks 4.0.9.d
Ethylbenzene	100-41-4	Tanks 4.0.9.d	0	2.016E-03	2.016E-03	8.830E-03	Tanks 4.0.9.d
Naphthalene	91-20-3	Tanks 4.0.9.d	0	2.968E-05	2.968E-05	1.300E-04	Tanks 4.0.9.d
Trimethylpentane (2,2,4)	540-84-1	Tanks 4.0.9.d	0	6.941E-03	6.941E-03	3.040E-02	Tanks 4.0.9.d
Isopropyl Benzene	98-82-8	Tanks 4.0.9.d	О	1.233E-04	1.233E-04	5.400E-04	Tanks 4.0.9.d

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

Isopropyl Benzene

NOTES:

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE		
DEQ BUILDING ID CODE		PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERAL I	NFORMATION					
PROCESS CODE OR DES	CRIPTION	EU#5 (TK #431) Tie	r 2 Renewal, Rev. #1 4/18	3/07		
STACK DESCRIPTION		N/A				
BUILDING DESCRIPTION		N/A				
MANUFACTURER	N/A		MODEL	Ext. Floating Roof	DATE INSTALLED OR LAST MODIFIED	1952
PROCESSI	NG DATA					
PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	ACTUAL ANNUAL RATE	UNITS	
INPUT	Gasoline	65,100			gal	
PRODUCT OUTPUT	Gasoline	65,100			gal	
WASTE OUTPUT						
RECYCLE						
POTENTIAL	. HAPS IN PROCESSING STRE	EAMS				
PS DESCRIPTION		HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
Benzene		71-43-2	004250	004250		
Hexane		110-54-3	00350	00350		
Xylenes (mixed isomers)		1330-20-7	01777	01777		
Toluene		108-88-3	02180	02180		
Ethylbenzene		100-41-4	002860	002860		
Naphthalene		91-20-3	00064	00064		
Trimethylpentane (2,2,4)		540-84-1	008432	008432		
Isopropyl Benzene		98-82-8	0-,0025	00025		

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY					
DEQ PLANT ID CODE DEQ BUILDING ID CODE	DEQ PROCESS CODE			DEQ STACK ID CODE SECONDARY SCC	
DEQ SEGMENT CODE					
PARTA: GENERALINFORMATION	8				
PROCESS CODE OR DESCRIPTION	EU#5 (TK #431) Tier 2	Renewal, Rev. #1 4	18/07		
STACK DESCRIPTION	N/A				
BUILDING DESCRIPTION	N/A				
DATE INSTALLED OR 1952 LAST MODIFIED					
GENERAL TANK AND MATERIAL HANDL	NG DATA				
MATERIAL DESCRIPTION Gasoline					
TANK CAPACITY (GALLONS) 3,336,000	ANNUAL THROUGHPUT	(GALLONS)	58.3 E 6]	
TANK TYPE 2 PLEASE CHOOSE FROM BELOW (01) FIXED ROOF; (02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE; (04) PRESSURE TANK; (05) UNDERGROUND - SPLASH LOADING; (06) OTHER		SOURCE PLEASE CHOOS (01) PIPELINE; (02) RAIL CAR (03) TANK TRU (04) SHIP BAR (05) OTHER	; иск;]	
ADDITIONAL VAPOR PHASE DEGREASIN	IG DATA			TANK CHIDEACE AREA (C	Q. FT) See Tanks 4.0.9.d
MANUFACTURER OF DEGREASING AGENT N/A	5 8/			TANK SURFACE AREA (S	Pro- Children
TEMPERATURE OF DEGREASING AGENT IN TANK (DE	3. F)	N/A		METHOD OF VAPOR REC Please choose from below: (01) Incineration; (02) Refrigerated Liquid S (03) Refrigerated Conder (04) Carbon Adsorption; (05) Vapor Return System (06) No Recovery System (07) Other	Gcrubber; nser; n;
ADDITIONAL MATERIAL HANDLING DATA	Δ				
PHYSICAL STATE	NUMBER OF PUMP SEALS	0	NUMBER OF COMPRI	ESSOR 0	NUMBER OF IN-LINE VALVES 15
(SEE NOTE BELOW) NUMBER OF SAFETY	NUMBER OF		NUMBER OF OPEN-E		NUMBER OF SAMPLING
RELIEF VALVES 0	FLANGES	16	LINES	o	CONNECTIONS 3
MATERIAL DATA HAP DESCRIPTION	HAP CAS	.	н	AP FRACTION IN FERIAL BY WEIGHT	
Benzene	71-43-2	<u> </u>	MAT	004250	
Hexane	110-54-3			00350	
Xylenes (mixed isomers)	1330-20-7	7		01777	
Toluene	108-88-3			02180	
Ethylbenzene	100-41-4			002860	
Naphthalene	91-20-3			00064	
Trimethylpentane (2,2,4)	540-84-1			0-,08432	
Isopropyl Benzene	98-82-8			00025	

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PAR	_	U#5 (TK #431) Tier 2 Renewal, Rev. #	1 4/18/07					
PERCENT FUEL CONS	OPERATING DATA UMPTION PER QUARTER		OPERATING S	CHEDULE				
DEC-FEB	25		HOURS/DAY	24				
MAR-MAY	25		DAYS/WEEK	7				
JUN-AUG	25		WEEKS/YEAR	52				
SEP-NOV	25							
	POLLUTION CONTROL E	QUIPMENT						
PARAMETER		PRIMARY		r	SECONDARY			
TYPE	az ven	N/A		L I	N/A			
TYPE CODE (FROM AP	P. A)			l I				
MANUFACTURER				I.				
MODEL NUMBER				ľ				
PRESSURE DROP (IN.				ľ				
WET SCRUBBER FLOW				ľ				
BAGHOUSE AIR/CLOTH	RATIO (FPM)							
	VENTILATION AND BUILD	DING/AREA DATA	,	STACK DATA				
ENCLOSED? (Y/N)		N/A	GROUND ELEY	VATION (FT)		N/A		
HOOD TYPE (FROM AP	P. B)		UTM X COORD	DINATE (KM)				
MINIMUM FLOW (ACFM	1)		UTM Y COORD	DINATE (KM)				
PERCENT CAPTURE E	FFICIENCY		STACK TYPE (SEE NOTE BELOW)					
BUILDING HEIGHT (FT)			STACK EXIT H	EIGHT FROM GROUND LEV	EL (FT)			
BUILDING LENGTH (FT)		STACK EXIT D	IAMETER (FT)				
BUILDING WIDTH (FT)			STACK EXIT G	AS FLOWRATE (ACFM)				
			STACK EXIT T	EMPERATURE (DEG. F)				
	AIR POLLUTANT EMISSION	ONS						
POLLUTANT	CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OF MEASURED		VABLE EMISSIONS		
		(SEE NOTE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE	
РМ								
PM-10								
SO2								
со								
NOx								
voc		Tanks 4.0.9.d	0	3.17	3.1	13.88	Tanks 4.0.9.d	
LEAD								
Benzene	71-43-2	Tanks 4.0.9.d	0	1.774E-02	1.774E-02	7.770E-02	Tanks 4.0.9.d	
Hexane	110-54-3	Tanks 4.0.9.d	0	2.820E-02	2.820E-02	1.235E-01	Tanks 4.0.9.d	
Xylenes (mixed isomers)	1330-20-7	Tanks 4.0.9.d	0	9.072E-03	9.072E-03	3.974E-02	Tanks 4.0.9.d	
Toluene	108-88-3	Tanks 4.0.9.d	0	2.609E-02	2.609E-0	1.143E-01	Tanks 4.0.9.d	
Ethylbenzene	100-41-4	Tanks 4.0.9.d	О	1.938E-03	1.938E-0	8.490E-03	Tanks 4.0.9,d	
Naphthalene	91-20-3	Tanks 4.0.9.d	0	1.712E-05	1.712E-0	7,500E-05	Tanks 4.0.9.d	
Trimethylpentane (2,2,4)	540-84-1	Tanks 4.0.9.d	0	7.296E-03	7.296E-0	3.196E-02	Tanks 4.0.9.d	
Isopropyl Benzene	98-82-8	Tanks 4.0.9.d	0	1.084E-04	1.084E-0	4.750E-04	Tanks 4.0.9.d	

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

NOTES:

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS COL	DE	DEQ STACK ID CODE		
DEQ BUILDING ID CODE	E	PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERAL	_ INFORMATION					
PROCESS CODE OR DE		EU#6 (TK #402), EU#	#7 (TK #405), EU#8 (TK #40	06) Tier 2 Renewal, Rev. #	1 4/18/07	
STACK DESCRIPTION		N/A				
BUILDING DESCRIPTIO	N	N/A				
MANUFACTURER	N/A		MODEL	Cone Roof	DATE INSTALLED OR LAST MODIFIED	1952
PROCESS	SING DATA					
PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	ACTUAL ANNUAL RATE	UNITS	
INPUT	Distillate Fuel Oil	58,800			gal	
PRODUCT OUTPUT	Distillate Fuel Oil	58,800			gal	
WASTE OUTPUT						
RECYCLE						
POTENTI	AL HAPS IN PROCESSING S	TREAMS				
PS DESCRIPTION		HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
Benzene		71-43-2	000003	000003		
Xylenes (mixed isomers)		1330-20-7	000082	000082		
Toluene		108-88-3	000019	000019		
Naphthalene		91-20-3	000170	000170		

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY						
DEQ PLANT ID CODE DEQ BUILDING ID CODE DEQ SEGMENT CODE	DEQ PROCESS CODE PRIMARY SCC			DEQ STACK ID CODE SECONDARY SCC]
PART A: GENERAL INFORMATION PROCESS CODE OR DESCRIPTION STACK DESCRIPTION BUILDING DESCRIPTION DATE INSTALLED OR 1952 GENERAL TANK AND MATERIAL HANDLIN MATERIAL DESCRIPTION Distillate Fuel Oil TANK CAPACITY (GALLONS) 840,000 TANK TYPE 1 PLEASE CHOOSE FROM BELOW (01) FIXED ROOF: (02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE; (04) PRESSURE TANK;	EU#6 (TK #402), EU#7 (TK N/A N/A RG DATA ANNUAL THROUGHPUT ((GALLONS) SOURCE PLEASE CHOOS (01) PIPELINE (02) RAIL CAR (03) TANK TRI (04) SHIP BAR	168.6 E 6 1 SE FROM BELOW	Rev. #1 4/18/07		
(05) UNDERGROUND - SPLASH LOADING; (06) OTHER		(05) OTHER				
ADDITIONAL VAPOR PHASE DEGREASING	DATA			TANK SURFACE AREA (S	O FT)	See Tanks 4.0.9.d
MANUFACTURER OF DEGREASING AGENT IN TANK (DEG	(F)	N/A		METHOD OF VAPOR REC Please choose from below: (01) Incineration; (02) Refrigerated Liquid S (03) Refrigerated Conden (04) Carbon Adsorption; (05) Vapor Return Systen (06) No Recovery System (07) Other	COVERY Scrubber, Iser,	6
ADDITIONAL MATERIAL HANDLING DATA						
PHYSICAL STATE (SEE NOTE BELOW) NUMBER OF SAFETY RELIEF VALVES 2	NUMBER OF PUMP SEALS NUMBER OF FLANGES	12	NUMBER OF COMPR SEALS NUMBER OF OPEN-E LINES	0	NUMBER OF IN-LINI VALVES NUMBER OF SAMPI CONNECTIONS	11
MATERIAL DATA HAP DESCRIPTION Benzene Xylenes (mixed isomers) Toluene	HAP CAS NUMBER 71-43-2 1330-20-7 108-88-3	7		AP FRACTION IN TERIAL BY WEIGHT 000003 000082 000019 000170		

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PAR	The of the water water and a street	402), EU#7 (TK #405), EU#8	(TK #406) Tier 2 Rene	ewal, Rev. #1 4/18/07				
	OPERATING DATA JMPTION PER QUARTER		OPERATING SCHED	ULE				
The state of the second state of the second	25		HOURS/DAY	24				
DEC-FEB	25		DAYS/WEEK	7				
MAR-MAY			WEEKS/YEAR	52				
JUN-AUG	25		WEEKS/TEAK	32				
SEP-NOV	25							
E-Value Materia	POLLUTION CONTROL EQUIPMEN			SECONDA	BV.			
PARAMETER TYPE		PRIMARY N/A		N/A	NI .			
TYPE CODE (FROM API	P A)							
MANUFACTURER								
MODEL NUMBER								
PRESSURE DROP (IN.	OF WATER)							
WET SCRUBBER FLOW								
BAGHOUSE AIR/CLOTH								
	VENTILATION AND BUILDING/ARE	A DATA	STACE	K DATA				
ENCLOSED? (Y/N)		N/A	GROUND ELEVATIO	N (FT)		N/A		
HOOD TYPE (FROM AP	P. B)		UTM X COORDINATE	E (KM)				
MINIMUM FLOW (ACFM	1)		UTM Y COORDINATI	E (KM)				
PERCENT CAPTURE ER	FFICIENCY		STACK TYPE (SEE NOTE BELOW)					
BUILDING HEIGHT (FT)			STACK EXIT HEIGHT FROM GROUND LEVEL (FT)					
BUILDING LENGTH (FT))		STACK EXIT DIAME	TER (FT)				
BUILDING WIDTH (FT)			STACK EXIT GAS FL	OWRATE (ACFM)				
			STACK EXIT TEMPE	RATURE (DEG. F)				
	AIR POLLUTANT EMISSIONS							
POLLUTANT	CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALLOWA	BLE EMISSIONS		
		(SEE NOTE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE	
РМ								
PM-10								
SO2								
со								
NOx								
voc		Tanks 4.0.9.d	О	0.11	0.11	0.49	Tanks 4.0.9.d	
LEAD								
Benzene	71-43-2	Tanks 4.0.9.d	o	trivial	trivial	trivial	Tanks 4.0.9.d	
Xylenes (mixed isomers)	1330-20-7	Tanks 4.0.9.d	О	1.758E-03	1.758E-03	7.700E-03	Tanks 4.0.9.d	
Toluene	108-88-3	Tanks 4.0.9.d	0	1.584E-03	1.584E-03	6.940E-03	Tanks 4.0.9.d	
Naphthalene	91-20-3	Tanks 4.0.9.d	О	8.790E-05	8.790E-05	3.850E-04	Tanks 4.0.9.d	

NOTES:

STACK TYPE - 01) DOWNWARD, 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE		
DEQ BUILDING ID CODE		PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERAL II	NFORMATION					
PROCESS CODE OR DES	CRIPTION	EU#9 (TK #400), Trans	smix Tank Tier 2 Renev	wal, Rev. #1 4/18/07		
STACK DESCRIPTION		N/A				
BUILDING DESCRIPTION		N/A				
MANUFACTURER	N/A		MODEL	Cone Roof	DATE INSTALLED OR LAST MODIFIED	1952
PROCESSIN	IG DATA					
PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	ACTUAL ANNUAL RATE	UNITS	
INPUT	Gasoline	65,100			gal	
PRODUCT OUTPUT	Gasoline	65,100			gal	
WASTE OUTPUT						
RECYCLE						
POTENTIAL	. HAPS IN PROCESSING STRI	EAMS				
PS DESCRIPTION		HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
Benzene		71-43-2	004250	004250		
Hexane		110-54-3	0-,0350	00350		
Xylenes (mixed isomers)		1330-20-7	01777	01777		
Toluene		108-88-3	02180	02180		
Ethylbenzene		100-41-4	002860	002860		
Naphthalene		91-20-3	00064	00064		
Trimethylpentane (2,2,4)		540-84-1	008432	008432		
Isopropyl Benzene		98-82-8	00025	00025		

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID	CODE	
DEQ BUILDING ID CODE		PRIMARY SCC		SECONDARY	scc	
DEQ SEGMENT CODE						
PARI A: GENERALINFO	DRMATION					
PROCESS CODE OR DESCR	IPTION	EU#9 (TK #400), Transmix	Tank Tier 2 Ren	ewal, Rev. #1 4/18/07		
STACK DESCRIPTION		N/A				
BUILDING DESCRIPTION		N/A				
DATE INSTALLED OR LAST MODIFIED	1952					
GENERAL TAN	IK AND MATERIAL HANDLI	NG DATA				
MATERIAL DESCRIPTION	Gasoline					
TANK CAPACITY (GALLONS)	3,808	ANNUAL THROUGHPUT ((GALLONS)	38,080		
TANK TYPE PLEASE CHOOSE FROM BE (01) FIXED ROOF; (02) FLOATING ROOF (OR (03) VARIABLE VAPOR SP/ (04) PRESSURE TANK; (05) UNDERGROUND - SPI (06) OTHER	INTERNAL COVER); ACE;		SOURCE PLEASE CHOOS (01) PIPELINE; (02) RAIL CAR (03) TANK TRI (04) SHIP BAR (05) OTHER	; JCK;		
ADDITIONAL V	APOR PHASE DEGREASIN	IG DATA				
MANUFACTURER OF DEGR	EASING AGENT N/A			TANK SURFACE	CE AREA (SQ. FT)	See Tanks 4.0.9.d
TEMPERATURE OF DEGREA	ASING AGENT IN TANK (DE	3. F)	N/A	Please choose (01) Incineral (02) Refriger (03) Refriger (04) Carbon. (05) Vapor R	tion; ated Liquid Scrubber; ated Condenser;	6
ADDITIONAL N	MATERIAL HANDLING DATA	Δ				
PHYSICAL STATE		NUMBER OF PUMP SEALS		NUMBER OF COMPRESSOR SEALS 0	NUMBER OF IN VALVES	V-LINE
(SEE NOTE BELOW) NUMBER OF SAFETY		NUMBER OF		NUMBER OF OPEN-ENDED	NUMBER OF S	AMPLING
RELIEF VALVES	1	FLANGES	15	LINES 0	CONNECTIONS	S 3
MATERIAL DA	TA					
HAP DESCRIPTION		HAP CAS		HAP FRACTION MATERIAL BY WEI	IN IGHT	
Benzene		71-43-2		004250		
Hexane		110-54-3		00350		
Xylenes (mixed isomers)		1330-20-7	7	0-,1777		
Toluene		108-88-3		02180		
Ethylbenzene		100-41-4		002860		
Naphthalene		91-20-3		00064		
Trimethylpentane (2,2,4)		540-84-1		008432		
Isopropyl Benzene		98-82-8		00025	1	

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PAR	ТВ	EU#9 (TK #400), Transmix Tank	Tier 2 Renewal, Rev. #1 4/18/07]			
	OPERATING DATA	-1						
PERCENT FUEL CONSU	MPTION PER QUARTER		OPERATING SCHEDULE					
DEC-FEB	25		HOURS/DAY	24				
MAR-MAY	25		DAYS/WEEK	7				
JUN-AUG	25		WEEKS/YEAR	52				
SEP-NOV	25							
	POLLUTION CONTROL	FOUIPMENT						
PARAMETER	POLLUTION CONTINUE	PRIMARY		SECONDARY				
TYPE		N/A		N/A	,			
TYPE CODE (FROM APP	. A)							
MANUFACTURER								
MODEL NUMBER								
PRESSURE DROP (IN. O	F WATER)]			
WET SCRUBBER FLOW	(GPM)]			
BAGHOUSE AIR/CLOTH	RATIO (FPM)]			
7	VENTILATION AND BUI	LDING/AREA DATA	STACK DA	ATA				
ENCLOSED? (Y/N)		N/A	GROUND ELEVATION (F	T)		N/A		
HOOD TYPE (FROM APP	P. B)		UTM X COORDINATE (K	M)				
MINIMUM FLOW (ACFM)	χ		UTM Y COORDINATE (K					
PERCENT CAPTURE EF			STACK TYPE (SEE NOT					
BUILDING HEIGHT (FT)	1.170.000.00000		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)					
BUILDING LENGTH (FT)			STACK EXIT DIAMETER					
BUILDING WIDTH (FT)			STACK EXIT GAS FLOW					
			STACK EXIT TEMPERAT					
				,				
	AIR POLLUTANT EMISS		DEBCENT	ESTIMATED OR	ALL OWAL	BLE EMISSIONS		
POLLUTANT	CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE	
		(SEE NOTE BELOW)	EFFICIENCY	(LBS/HR)	(LDONIN)			
РМ								
PM-10								
SO2								
со								
NOx								
voc		Tanks 4.0.9.d	О	0.06	0.06	0.28	Tanks 4.0.9.d	
LEAD								
Benzene	71-43-2	Tanks 4.0.9.d	О	3.584E-04	3.584E-04	1.570E-03	Tanks 4.0.9.d	
Hexane	110-54-3	Tanks 4.0.9.d	О	5.731E-04	5.731E-04	2.510E-03	Tanks 4.0.9.d	
Xylenes (mixed isomers)	1330-20-7	Tanks 4.0.9.d	o	1.564E-04	1.564E-04	6.850E-04	Tanks 4.0.9.d	
Toluene	108-88-3	Tanks 4.0.9.d	o	5.114E-04	5.114E-04	2.240E-03	Tanks 4.0.9.d	
Ethylbenzene	100-41-4	Tanks 4.0.9.d	0	3.539E-05	3.539E-05	1.550E-04	Tanks 4.0.9.d	
Naphthalene	91-20-3	Tanks 4.0.9.d	o	trivial	trivial	trivial	Tanks 4.0.9.d	
Trimethylpentane (2,2,4)	540-84-1	Tanks 4.0.9.d	o	1.461E-04	1.461E-04	6.400E-04	Tanks 4.0.9.d	
Isopropyl Benzene	98-82-8	Tanks 4.0.9.d	O	1.142E-06	1.142E-06	5.000E-06	Tanks 4.0.9.d	

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

NOTES:

SECTION 6: FUGITIVE EMISSIONS

DEQ USE ONLY							
DEQ PLANT ID CODE	DEQ PROCESS CODE		DEQ STACK ID CODE				
DEQ BUILDING ID CODE	PRIMARY SCC		SECONDARY SCC				
DEQ SEGMENT CODE							
PART A: LOADING RACK DATA							
PROCESS CODE OR DESCRIPTION	EU#12 , FUGITIVE EMISSIONS	EU#12 , FUGITIVE EMISSIONS Tier 2 Renewal, Rev. #1 4/18/07					
STACK DESCRIPTION	N/A						
BUILDING DESCRIPTION	N/A						
MANUFACTURER N/A		MODEL	N/A	DATE INSTALLED OR LAST MODIFIED	1952		
MATERIAL TRANSFERRED	Gasoline, Distillate Fuel Oil]					
ANNUAL THROUGHPUT (gallons)	N/A	1					

SECTION 6, PAR	RTB EU#12, FU	GITIVE EMISSIONS Tier 2 Renewal, R	ev. #1 4/18/07]			
DEBOENT FUEL COME	OPERATING DATA UMPTION PER QUARTER		OPERATING SCHEDULE					
				24				
DEC-FEB	25		HOURS/DAY DAYS/WEEK	7				
MAR-MAY	25			52				
JUN-AUG	25		WEEKS/YEAR	52				
SEP-NOV	25							
TO COCK DOCK OF TOTAL A 2-4-4-4-7-7	POLLUTION CONTROL EQUIPMEN	70						
PARAMETER TYPE		PRIMARY N/A		SECONDAR'				
TYPE CODE (FROM AF	P. A)				1			
MANUFACTURER								
MODEL NUMBER								
PRESSURE DROP (IN.	OF WATER)		-]			
WET SCRUBBER FLO]			
BAGHOUSE AIR/CLOT]			
	VENTILATION AND BUILDING/ARE	A DATA	STACK DA	NTA.				
ENCLOSED? (Y/N)	VENTION AND DOLDSTOPANE	N/A	GROUND ELEVATION (F			N/A		
HOOD TYPE (FROM AF	PP BI		UTM X COORDINATE (KA					
MINIMUM FLOW (ACF)	a A		UTM Y COORDINATE (KA					
PERCENT CAPTURE E			STACK TYPE (SEE NOTE BELOW)					
BUILDING HEIGHT (FT				OM GROUND LEVEL (FT)				
BUILDING LENGTH (FT			STACK EXIT DIAMETER					
BUILDING WIDTH (FT)	∯. !		STACK EXIT GAS FLOW					
			STACK EXIT TEMPERAT	URE (DEG. F)				
POLLUTANT	AIR POLLUTANT EMISSIONS CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALLOWA	BLE EMISSIONS		
		FACTOR (SEE NOTE	CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE	
		BELOW)		(LBS/HR)				
РМ					=			
PM-10								
502					=			
co								
NOx							504 4505 05 047 45 40	
voc		EPA-453/R-95-017, AP-42	- 0	0.21	0.21	0.92	EPA-453/R-95-017, AP-42	
LEAD	V			52/00mm2.1006			ED. 452/E 05 047 48 42	
Benzene	71-43-2	EPA-453/R-95-017, AP-42	0	2.146E-03	2.146E-03	9.400E-03	EPA-453/R-95-017, AP-42	
Hexane	110-54-3	EPA-453/R-95-017, AP-42	0	2.055E-03	2.055E-03	9.000E-03	EPA-453/R-95-017, AP-42	
Xylenes (mixed isomers		EPA-453/R-95-017, AP-42	0	1.425E-02	1.425E-02	6.240E-02	EPA-453/R-95-017, AP-42 EPA-453/R-95-017, AP-42	
Toluene	108-88-3	EPA-453/R-95-017, AP-42	0	1.107E-02	1.107E-02	4.850E-02	PROMERUS SONOTO DE SERVICIO DE ESCUCIO	
Ethylbenzene	100-41-4	EPA-453/R-95-017, AP-42	0	2.352E-03	2.352E-03	1.030E-02	EPA-453/R-95-017, AP-42	
Naphthalene	91-20-3	EPA-453/R-95-017, AP-42	0	2.968E-04	2.968E-04	1,300E-03	EPA-453/R-95-017, AP-42	
Trimethylpentane (2,2,4	540-84-1	EPA-453/R-95-017, AP-42	0	1.712E-03	1.712E-03	7.500E-03	EPA-453/R-95-017, AP-42	
Isopropyl Benzene	98-82-8	EPA-453/R-95-017, AP-42	0	2.511E-04	2.511E-04	1.100E-03	EPA-453/R-95-017, AP-42	

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/JUNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 6: SOIL VAPOR EXTRACTION SYSTEM EMISSIONS

DEQ USE ONLY					
DEQ PLANT ID CODE	DEQ PROCESS CODE		DEQ STACK ID CODE		
DEQ BUILDING ID CODE	PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE					
PART A: SVE SYSTEM DATA PROCESS CODE OR DESCRIPTION STACK DESCRIPTION BUILDING DESCRIPTION	EU#13 , SOIL VAPOR EXTRACT N/A	ION SYSTEM EMISSIONS	Tier 2 Renewal, Rev. #1	4/18/07	
MANUFACTURER N/A		MODEL	N/A	DATE INSTALLED OR LAST MODIFIED	1998
MATERIAL TRANSFERRED	Hydrocarbon vapors / air]			
THROUGHPUT	N/A]			

SECTION 6, PAR	TB EU#	13 , SOIL VAPOR EXTRACTION SYSTEM	Tier 2 Renewal, Rev. #1 4/	18/07	J		
PERCENT FUEL CONS	OPERATING DATA UMPTION PER QUARTER		OPERATING SCHEDULE				
DEC-FEB	25		HOURS/DAY	24			
MAR-MAY	25		DAYS/WEEK	7			
JUN-AUG	25		WEEKS/YEAR	52			
SEP-NOV	25						
0.0.00	POLLUTION CONTROL EQU			SECONDAR	J		
PARAMETER TYPE		PRIMARY N/A		N/A			
TYPE CODE (FROM AP	P. A)	TWO STATES					
MANUFACTURER							
MODEL NUMBER							
PRESSURE DROP (IN.	OF WATER)						
WET SCRUBBER FLOV	V (GPM)						
BAGHOUSE AIR/CLOTH	RATIO (FPM)]		
	VENTILATION AND BUILDIN	G/AREA DATA	STACK DA	IA			
ENCLOSED? (Y/N)		N/A	GROUND ELEVATION (F	ח		2710	
HOOD TYPE (FROM AP	P. B)		UTM X COORDINATE (KM	A)		560.463	
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KA	A)		4828.63	
PERCENT CAPTURE E	FFICIENCY		STACK TYPE (SEE NOTE BELOW) 2				
BUILDING HEIGHT (FT)			STACK EXIT HEIGHT FROM GROUND LEVEL (FT) 5.7				
BUILDING LENGTH (FT)		STACK EXIT DIAMETER ((FT)		0.25	
BUILDING WIDTH (FT)			STACK EXIT GAS FLOW	RATE (ACFM)		400	
			STACK EXIT TEMPERATE	URE (DEG. F)		ambient	
	AIR POLLUTANT EMISSION	s					
POLLUTANT	CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALLOWA	ABLE EMISSIONS	
		(SEE NOTE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
РМ							
PM-10							
SO2							
со							
NOx							
voc			0	5.91	5.91	25.88	
LEAD							
Benzene	71-43-2		0	1.700E-01	1.700E-01	7.446E-01	
Hexane	110-54-3		0	3.613E-01	3.613E-01	1.582E+00	
Xylenes (mixed isomers)	1330-20-7		О	6.500E-02	6.500E-02	2.847E-01	
Toluene	108-88-3		О	4.658E-02	4.658E-02	2.040E-01	
Ethylbenzene	100-41-4		0	2.671E-02	2.671E-02	1.170E-01	
Naphthalene	91-20-3		О	9.132E-03	9.132E-03	4.000E-02	
Trimethylpentane (2,2,4)	540-84-1		0	1.451E+00	1.451E+00	6.353E+00	
Isopropyl Benzene	98-82-8		О	1.007E-02	1.007E-02	4.410E-02	

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

NOTES:

3.0 GENERAL INFORMATION FOR THE FACILITY

3.1 General Description of Facility

Sinclair Transportation Company (Sinclair) operates the Sinclair Boise Products Terminal facility which receives, stores and distributes petroleum products. The Boise Products Terminal was constructed in 1952. This facility receives petroleum products from the Chevron pipeline (which originates in Salt Lake City, Utah) and stores the petroleum products on-site in any of eight petroleum product storage tanks. There is also one transmix storage tank which is used to store off-specification product. From tankage, the petroleum products are transferred offsite for distribution via pipeline.

3.2 Location of Facility

The Boise Products Terminal is located at 712 North Curtis in Boise, Idaho as shown in Figure 3-1 site location. A plot plan of the facility showing the Tier 2 emission sources is provided in Figure 3-2.

3.3 Description of Product Flow

This section describes the flow of petroleum products through the terminal. Petroleum products enter the facility from pipeline and are directed to the tank farm for storage. The tank farm consists of five gasoline storage tanks, three distillate oil storage tanks and a transmix storage tank. The five gasoline storage tanks are external floating roof type and may be used to store any grade of gasoline (ie. regular unleaded, premium unleaded, etc.) as well as lower vapor pressure petroleum products. The three distillate oil storage tanks are fixed roof type and may be used to store any grade of distillate fuel oil (ie. #2 fuel oil, #1 fuel oil, etc.). The transmix storage tank is fixed roof type and is used to store any grade of gasoline as well as lower vapor pressure petroleum products.

Petroleum products are transferred via pipeline from the Sinclair Boise Products Terminal to the Northwest Terminalling Company - Boise Terminal for storage or distribution at their facility. The Northwest Terminal Company - Boise Terminal is located south of the Boise Products Terminal at 201 North Phillippi Street in Boise, Idaho.

The contents of the transmix tank are loaded directly into a tank truck. Water draws from the product tanks are also loaded directly into tank trucks. These activities involve the transfer of small quantities of slop oil and/or tank bottom water and occur very infrequently. Because these operations are not considered part of the "normal" product movements for

Figure 3-1 Site Location

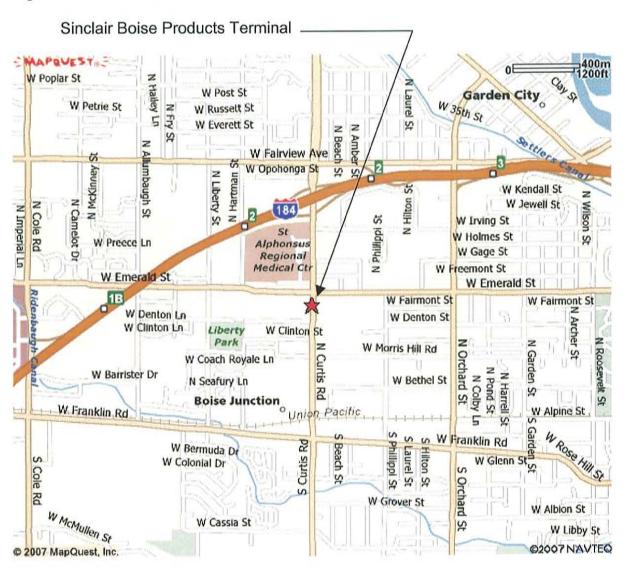
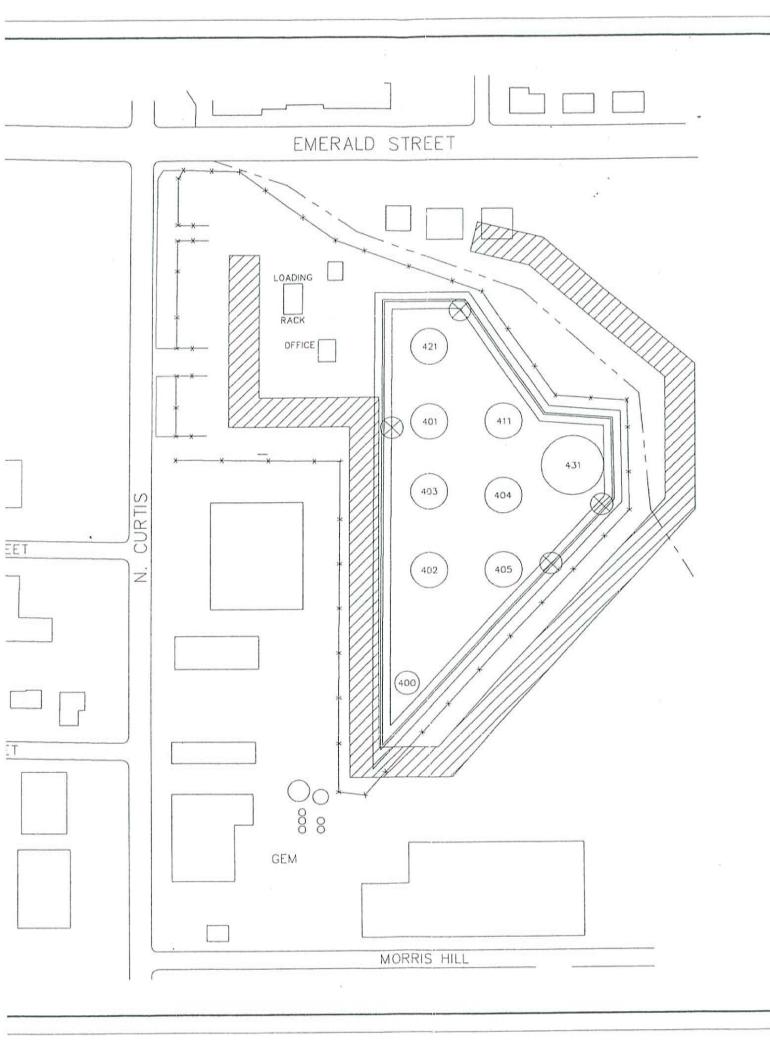


Figure 3-2 Plot Plan



the facility and emissions from these operations are small, these activities are considered insignificant (see section 6.2.4).

3.4 Soil Vapor Extraction System

The Soil Vapor Extraction (SVE) system was installed to remove hydrocarbons from contaminated soil at various locations by the facility. The SVE system is currently not in operation. However, Sinclair is including the SVE system in this permit application renewal in the event the SVE system is required to become operational again.